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In re the Application of: **Akira MATSUDA et al.**

Group Art Unit: **2831**

Serial No.: **10/719,020**

Examiner: Unassigned

Filed: **November 24, 2003**

Confirmation No.: **9168**

For: **PLATING BATH FOR FORMING THIN RESISTANCE LAYER,
METHOD OF FORMATION OF RESISTANCE LAYER, CONDUCTIVE
BASE WITH RESISTANCE LAYER, AND CIRCUIT BOARD MATERIAL
WITH RESISTANCE LAYER**

Attorney Docket No.: **032130**

Customer Number: **38834**

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

May 14, 2004

Sir:

Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached Form PTO-1449. A copy of each listed document (except U.S. patent documents) is attached.

Documents AA through AE and AK were cited in a European Search Report for the corresponding European patent application. A copy of the Search Report is also enclosed.

No fee or certification is required in connection with this Information Disclosure Statement, because it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. Applicants respectfully

Information Disclosure Statement
Attorney Docket No. 032130
Serial No. 10/719,020

request that the information be expressly considered during the prosecution of this application and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 50-2866 for any fee that is required to effect consideration of this statement.

Respectfully submitted,
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Enclosures: PTO-1449, 1 reference and European Search Report



INFORMATION DISCLOSURE CITATION PTO-1449	Atty. Docket No. 032130	Serial No. 10/719,020
	Applicant(s): Akira MATSUDA et al.	
	Filing Date: November 24, 2003	Group Art Unit: 2831

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
	AA	5,985,124	Yoda et al.	11/16/1999	205	118	10/21/1997
	AB	5,049,221	Wada et al.	09/17/1991	156	151	05/01/1989
	AC	3,865,702	Immel et al.	02/11/1975	204	49	02/21/1973
	AD	3,743,583	Castonguay	07/03/1973	204	27	01/15/1971
	AE	5,689,227	Nguyen et al.	11/18/1997	338	308	01/17/1996

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation (Yes or No)
	AF				
	AG				
	AH				
	AI				
	AJ				

OTHER DOCUMENTS

	AK	KAZANOVTSSE Y. I. et al. "Deposition of nickel-phosphorus alloys – using electrolyte contg. nickel sulphamate, nickel chloride, orthophosphoric acid, phosphorous acid, zinc phosphate", WPI World Patent Information Derwent, Derwent, GB, Vol. 29, November 28, 1979 (abstract only)
	AL	
Examiner		Date Considered